

Comparing Fractions

Name: _____ Date: _____

For each of the pairs of fractions, indicate whether the one on the left is greater than (" $>$ ") or less than (" $<$ ") the one on the right.

(1) $\frac{8}{10} \square \frac{8}{9}$

(2) $\frac{13}{17} \square \frac{12}{17}$

(3) $\frac{16}{18} \square \frac{16}{20}$

(4) $\frac{2}{12} \square \frac{2}{19}$

(5) $\frac{5}{11} \square \frac{5}{10}$

(6) $\frac{1}{3} \square \frac{1}{20}$

(7) $\frac{2}{3} \square \frac{2}{9}$

(8) $\frac{6}{13} \square \frac{6}{9}$

(9) $\frac{2}{17} \square \frac{2}{4}$

(10) $\frac{6}{10} \square \frac{6}{12}$

(11) $\frac{1}{15} \square \frac{1}{12}$

(12) $\frac{15}{18} \square \frac{8}{18}$

(13) $\frac{8}{19} \square \frac{8}{17}$

(14) $\frac{1}{13} \square \frac{1}{10}$

(15) $\frac{2}{6} \square \frac{2}{7}$

(16) $\frac{6}{8} \square \frac{6}{13}$

(17) $\frac{7}{16} \square \frac{7}{17}$

(18) $\frac{1}{14} \square \frac{1}{10}$

(19) $\frac{10}{15} \square \frac{12}{15}$

(20) $\frac{15}{16} \square \frac{2}{16}$

(21) $\frac{4}{10} \square \frac{9}{10}$

(22) $\frac{2}{4} \square \frac{2}{10}$

(23) $\frac{3}{20} \square \frac{9}{20}$

(24) $\frac{3}{17} \square \frac{6}{17}$

(25) $\frac{4}{8} \square \frac{5}{8}$

(26) $\frac{1}{9} \square \frac{8}{9}$

(27) $\frac{3}{16} \square \frac{4}{16}$

(28) $\frac{4}{10} \square \frac{2}{10}$

(29) $\frac{11}{14} \square \frac{11}{20}$

(30) $\frac{4}{8} \square \frac{4}{17}$

(31) $\frac{6}{8} \square \frac{6}{15}$

(32) $\frac{2}{8} \square \frac{2}{3}$

(33) $\frac{4}{13} \square \frac{4}{17}$

(34) $\frac{5}{20} \square \frac{5}{17}$

(35) $\frac{14}{15} \square \frac{13}{15}$

(36) $\frac{3}{18} \square \frac{3}{6}$

(37) $\frac{3}{13} \square \frac{12}{13}$

(38) $\frac{1}{6} \square \frac{2}{6}$

(39) $\frac{9}{15} \square \frac{9}{11}$

(40) $\frac{3}{8} \square \frac{6}{8}$

(41) $\frac{9}{10} \square \frac{9}{16}$

(42) $\frac{2}{19} \square \frac{2}{3}$

(43) $\frac{7}{14} \square \frac{7}{15}$

(44) $\frac{5}{8} \square \frac{6}{8}$

(45) $\frac{9}{10} \square \frac{8}{10}$

Name: _____ Date: _____



Solve each equation.

55 (1) $55 - x = 9$
 $x = 55 - 9$
 $x = 46$

(2) $39 - x = 22$

(3) $51 + x = 85$

(4) $53 - x = 31$

(5) $x + 45 = 118$

(6) $11 + x = 48$

(7) $67 + x = 83$

(8) $92 + x = 157$

(9) $80 + x = 176$

(10) $62 + x = 112$

(11) $x + 55 = 151$

(12) $65 - x = 26$

(13) $62 - x = 22$

(14) $x + 60 = 94$

(15) $x - 68 = 23$

(16) $81 - x = 57$

(17) $x + 52 = 138$

(18) $28 + x = 127$

(19) $x + 35 = 107$

(20) $91 + x = 189$

(21) $x + 33 = 76$

(22) $36 + x = 119$

(23) $83 - x = 31$

(24) $65 - x = 43$

(25) $x - 22 = 17$

(26) $x + 73 = 139$

(27) $x - 35 = 65$

Long Division

1 Digit Into 3 Digit Numbers - No Remainders

Name: _____ Date: _____

(1)

$$\begin{array}{r} 41 \\ 7 \overline{) 287} \\ \underline{28} \\ 7 \\ \underline{7} \\ 0 \end{array}$$

(2)

$$9 \overline{) 675}$$

(3)

$$6 \overline{) 144}$$

(4)

$$4 \overline{) 112}$$

(5)

$$3 \overline{) 276}$$

(6)

$$2 \overline{) 192}$$

(7)

$$8 \overline{) 672}$$

(8)

$$5 \overline{) 235}$$

(9)

$$6 \overline{) 516}$$

(10)

$$9 \overline{) 234}$$

(11)

$$7 \overline{) 294}$$

(12)

$$8 \overline{) 584}$$

Fractions of Numbers

Name: _____ Date: _____

Find the fractional value of each of the numbers below.

(1) What is $\frac{1}{2}$ of 24? $24 \div 2 \times 1 = 12$ 12

(2) What is $\frac{7}{18}$ of 36? _____

(3) What is $\frac{3}{4}$ of 20? _____

(4) What is $\frac{2}{3}$ of 30? _____

(5) What is $\frac{1}{3}$ of 27? _____

(6) What is $\frac{1}{2}$ of 20? _____

(7) What is $\frac{1}{2}$ of 24? _____

(8) What is $\frac{2}{5}$ of 50? _____

(9) What is $\frac{4}{9}$ of 45? _____

(10) What is $\frac{1}{2}$ of 40? _____

(11) What is $\frac{1}{4}$ of 36? _____

(12) What is $\frac{1}{2}$ of 54? _____

(13) What is $\frac{1}{3}$ of 54? _____

(14) What is $\frac{4}{5}$ of 25? _____

(15) What is $\frac{1}{2}$ of 36? _____

(16) What is $\frac{8}{15}$ of 30? _____

(17) What is $\frac{23}{30}$ of 90? _____

(18) What is $\frac{4}{5}$ of 80? _____

(19) What is $\frac{5}{6}$ of 54? _____

(20) What is $\frac{1}{5}$ of 75? _____

(21) What is $\frac{1}{3}$ of 30? _____

(22) What is $\frac{1}{2}$ of 60? _____

(23) What is $\frac{2}{5}$ of 50? _____

(24) What is $\frac{1}{2}$ of 36? _____

(25) What is $\frac{1}{3}$ of 30? _____

(26) What is $\frac{1}{3}$ of 48? _____

(27) What is $\frac{2}{5}$ of 40? _____

(28) What is $\frac{1}{5}$ of 25? _____

(29) What is $\frac{3}{10}$ of 30? _____

(30) What is $\frac{1}{4}$ of 20? _____

Magical Math



Estimate the difference by rounding each number to the nearest hundred. Show your work!

$$\begin{array}{r} 608 \rightarrow 600 \\ - 372 \rightarrow - 400 \\ \hline 200 \end{array}$$

$$\begin{array}{r} 481 \rightarrow \\ - 115 \rightarrow - \end{array}$$

$$\begin{array}{r} 225 \rightarrow \\ - 88 \rightarrow - \end{array}$$

$$\begin{array}{r} 797 \rightarrow \\ - 273 \rightarrow - \end{array}$$

$$\begin{array}{r} 321 \rightarrow \\ - 148 \rightarrow - \end{array}$$

$$\begin{array}{r} 507 \rightarrow \\ - 284 \rightarrow - \end{array}$$

$$\begin{array}{r} 834 \rightarrow \\ - 375 \rightarrow - \end{array}$$

$$\begin{array}{r} 654 \rightarrow \\ - 283 \rightarrow - \end{array}$$

$$\begin{array}{r} 253 \rightarrow \\ - 72 \rightarrow - \end{array}$$

$$\begin{array}{r} 449 \rightarrow \\ - 132 \rightarrow - \end{array}$$

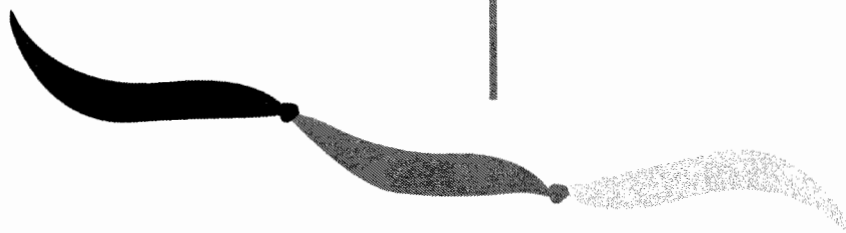
$$\begin{array}{r} 363 \rightarrow \\ - 180 \rightarrow - \end{array}$$

$$\begin{array}{r} 883 \rightarrow \\ - 329 \rightarrow - \end{array}$$

$$\begin{array}{r} 719 \rightarrow \\ - 285 \rightarrow - \end{array}$$

$$\begin{array}{r} 917 \rightarrow \\ - 432 \rightarrow - \end{array}$$

$$\begin{array}{r} 692 \rightarrow \\ - 231 \rightarrow - \end{array}$$





Skill Practice 2

Addition with Decimals

- Solve the following addition problems by rewriting each expression vertically and solving. Remember to line up the decimal places when writing the problem vertically.

$$\begin{array}{r}
 15.5 + 2.932 \\
 15.500 \\
 + 2.932 \\
 \hline
 18.432
 \end{array}$$

$$635.1 + 42.115 \quad 13.826 + 2.8 \quad 11.89 + 9.053$$

$$43.5 + 3.751 \quad 53.01 + 2.613 \quad 80.8 + 17.33$$

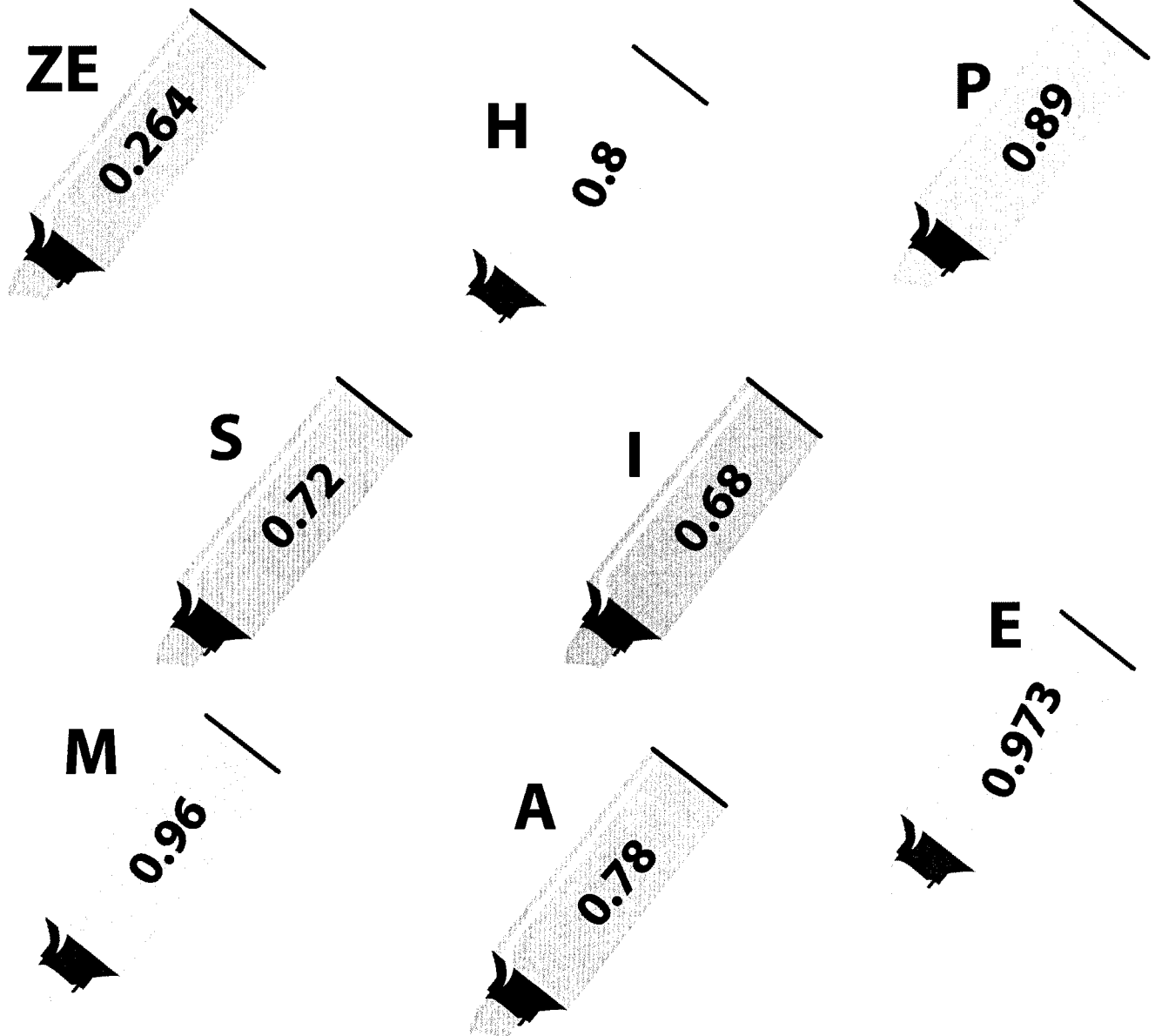
$$1.018 + 0.25 \quad 342.841 + 17.3 \quad 10.8 + 9.547$$



4th
Grade

Marker Puzzle: Practice Ordering Decimals

Order the decimal numbers on the markers from largest to smallest, then use the letters to answer the question below.



What do markers help us do?



Skill Practice 3

Rounding and place values

- For the decimals given, write out the name of the number's last place value.

90. <u>3</u> tenths	1.5 <u>7</u>	8. <u>6</u>
19.52 <u>1</u>	325.4 <u>0</u>	20.05 <u>0</u>
34. <u>8</u>	18.62 <u>9</u>	4.5 <u>1</u>
99.01 <u>6</u>	16.5 <u>2</u>	7. <u>1</u>

- For the decimals given, round off each number to the place value listed above its row. In the last row, round off to the underlined place value.

Tenths

5. <u>2</u> 91	51.0 <u>5</u> 26	4. <u>8</u> 32	65. <u>2</u> 47	1. <u>3</u> 66
5.3				

Hundredths

8.2 <u>9</u> 52	21.5 <u>0</u> 61	84.9 <u>3</u> 15	14.6 <u>1</u> 47	8.4 <u>4</u> 73
7.15				

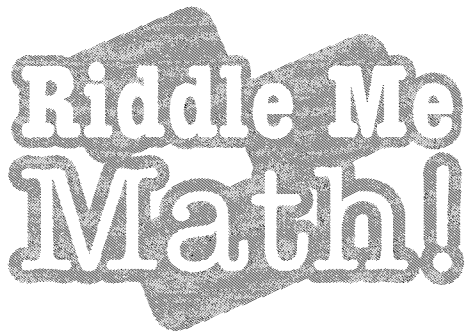
Thousandths

52.36 <u>1</u> 5	0.23 <u>8</u> 1	12.45 <u>3</u> 4	9.02 <u>6</u> 7	9.41 <u>2</u> 5
52.362				

Mixed

11.24 <u>5</u> 3	25.8 <u>9</u> 63	94.41 <u>3</u> 5	6.3 <u>5</u> 19	5.7 <u>0</u> 82
11.245				





Multidigit Addition & Subtraction

Directions:

Solve each math problem. Then find the answer and write the letter in the correct place to solve the riddle.

Whoever makes it, tells it not. Whoever takes it, knows it not. Whoever knows it, wants it not. What is it?

C
1 2 3 4 5 6 7 8 9 10 11

12 13 14 15 16

$$\begin{array}{r} 11 \\ 485 \\ 1. +859 \\ \hline 1344 \end{array}$$

$$\begin{array}{r} 647 \\ 2. -326 \\ \hline \end{array}$$

$$\begin{array}{r} 273 \\ 3. +526 \\ \hline \end{array}$$

$$\begin{array}{r} 352 \\ 4. -105 \\ \hline \end{array}$$

$$\begin{array}{r} 525 \\ 5. +372 \\ \hline \end{array}$$

$$\begin{array}{r} 938 \\ 6. -744 \\ \hline \end{array}$$

$$\begin{array}{r} 769 \\ 7. +662 \\ \hline \end{array}$$

$$\begin{array}{r} 436 \\ 8. -277 \\ \hline \end{array}$$

$$\begin{array}{r} 273 \\ 9. +488 \\ \hline \end{array}$$

$$\begin{array}{r} 825 \\ 10. -562 \\ \hline \end{array}$$

$$\begin{array}{r} 348 \\ 11. +743 \\ \hline \end{array}$$

$$\begin{array}{r} 783 \\ 12. -321 \\ \hline \end{array}$$

$$\begin{array}{r} 637 \\ 13. +185 \\ \hline \end{array}$$

$$\begin{array}{r} 709 \\ 14. -437 \\ \hline \end{array}$$

$$\begin{array}{r} 261 \\ 15. +575 \\ \hline \end{array}$$

$$\begin{array}{r} 975 \\ 16. -418 \\ \hline \end{array}$$

E. 836

F. 159

E. 194

M. 462

~~C. 1344~~

E. 761

O. 321

N. 272

T. 1091

Y. 557

N. 247

T. 897

I. 263

U. 799

R. 1431

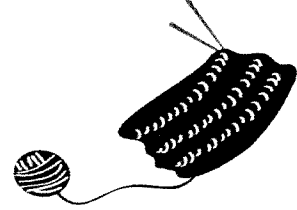
O. 822

Hours, Days, and Weeks

Answer the questions by converting the units of time.

Remember, 1 day equals 24 hours and 1 week equals 7 days.

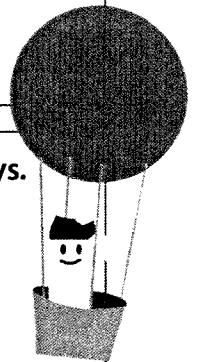
Grandma knitted a scarf for me in 2 weeks. How many days did it take her?



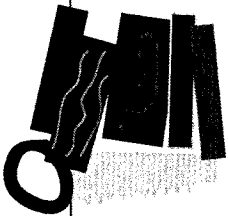
Mr. Waterstone wrote a letter to Ms. Jacobs. It took 4 weeks to arrive. How many days did it take?



Tom rode a hot air balloon across the ocean. He was on the balloon for 3 days. How many hours was he on the balloon?



It took Mr. Carpenter a week and one day to fix the fence. How many hours did he spend fixing the fence?

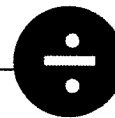
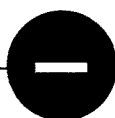


Meg read a book in 3 weeks, 2 days, and 3 hours. How many hours did she spend reading the book?



Find The Missing Operation ^{#2}

Add the operation symbols: addition(+), subtraction(-), multiplication(x), or division(÷) to complete the equation.



$$(8 - 5) \quad \boxed{} \quad 6 = 9$$

$$(7 + 4) \quad \boxed{} \quad 7 = 18$$

$$(12 + 6) \quad \boxed{} \quad 4 = 14$$

$$(22 - 3) \quad \boxed{} \quad 9 = 10$$

$$(3 \times 7) \quad \boxed{} \quad 4 = 25$$

$$(6 \times 5) \quad \boxed{} \quad 3 = 33$$

$$(4 \times 2) \quad \boxed{} \quad 6 = 48$$

$$(3 \times 3) \quad \boxed{} \quad 2 = 11$$

$$(30 - 15) \quad \boxed{} \quad 3 = 5$$

$$(10 - 2) \quad \boxed{} \quad 7 = 56$$

$$(24 - 10) \quad \boxed{} \quad 1 = 14$$

$$(7 \times 7) \quad \boxed{} \quad 3 = 52$$

$$(100 - 80) \quad \boxed{} \quad 4 = 5$$

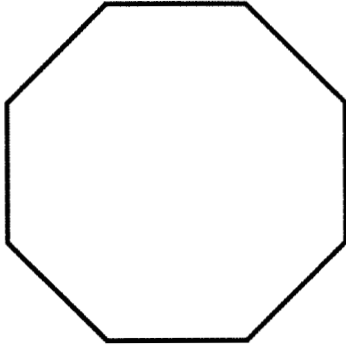
$$(45 - 18) \quad \boxed{} \quad 9 = 3$$

Octagon: Calculating Area

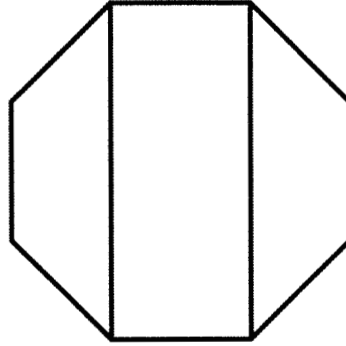


An octagon contains many shapes that you probably already know. Use a ruler to divide the octagon into regular shapes that you are familiar with. Then, name the shapes you created. This will help you practice finding the area of irregular shapes.

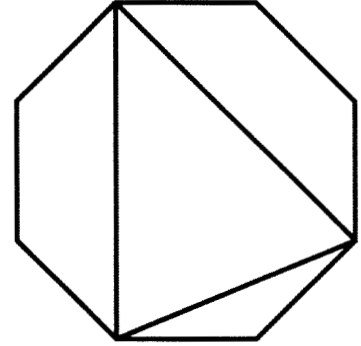
Example:



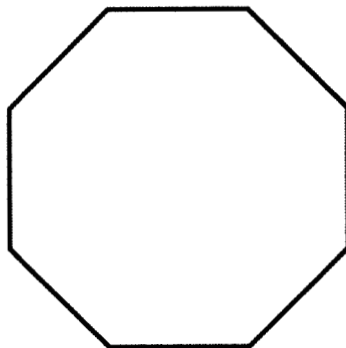
One octagon

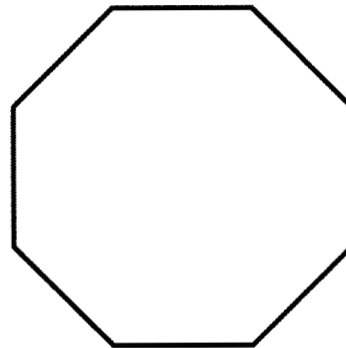


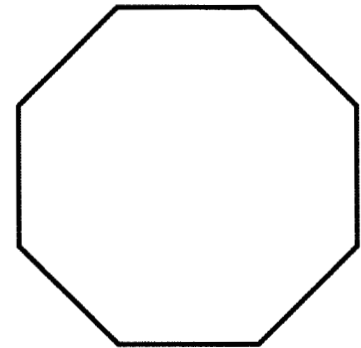
**Two trapezoids
One rectangles**



**Two trapezoids
Two triangles**







Challenge!

Calculate the area of this octagon using information of the heights and lengths of the geometric shapes.

